

PT/09 DC  
2/14/2002 #5

Serial Number: 09/889,331

CRF Processing Date: 2/14/2002  
Edited by:                       
Verified by:                      (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_



PCT09

## RAW SEQUENCE LISTING

DATE: 02/14/2002

PATENT APPLICATION: US/09/889,331

TIME: 08:55:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02142002\I889331.raw

p.5

```

3 <110> APPLICANT: YOUNG, ANDREW A.
4   GEDULIN, BRONISLAVA
6 <120> TITLE OF INVENTION: METHODS FOR GLUCAGON SUPPRESSION
8 <130> FILE REFERENCE: 030639.0031.UTL1 (249/167)
10 <140> CURRENT APPLICATION NUMBER: US 09/889,331
11 <141> CURRENT FILING DATE: 2001-07-13
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/00942
14 <151> PRIOR FILING DATE: 2000-01-14
16 <150> PRIOR APPLICATION NUMBER: 60/116,380
17 <151> PRIOR FILING DATE: 1999-01-14
19 <150> PRIOR APPLICATION NUMBER: 60/132,017
20 <151> PRIOR FILING DATE: 1999-04-30
22 <150> PRIOR APPLICATION NUMBER: 60/175,365
23 <151> PRIOR FILING DATE: 2000-01-10
25 <160> NUMBER OF SEQ ID NOS: 239
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0, Microsoft WORD 97 SR-2
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 39
31 <212> TYPE: PRT
32 <213> ORGANISM: Heloderma Horridum
34 <220> FEATURE:
35 <221> NAME/KEY: AMIDATION
36 <222> LOCATION: (39)
37 <223> OTHER INFORMATION: Ser in position 39 is amidated
39 <400> SEQUENCE: 1
40 His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
41 1          5          10          15
43 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
44          20          25          30
46 Ser Gly Ala Pro Pro Pro Ser
47          35
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 39
51 <212> TYPE: PRT
52 <213> ORGANISM: Heloderma Suspectum
54 <220> FEATURE:
55 <221> NAME/KEY: AMIDATION
56 <222> LOCATION: (39)
57 <223> OTHER INFORMATION: Ser in position 39 is amidated
59 <400> SEQUENCE: 2
60 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
61 1          5          10          15
63 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/889,331

DATE: 02/14/2002  
 TIME: 08:55:30

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF3\02142002\I889331.raw

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64          20          25          30
66 Ser Gly Ala Pro Pro Pro Ser
67          35
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 30
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     Amino Acid Sequence
78 <400> SEQUENCE: 3
79 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
80 1          5          10          15
82 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
83          20          25          30
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 30
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92     Amino Acid Sequence
94 <220> FEATURE:
95 <221> NAME/KEY: AMIDATION
96 <222> LOCATION: (30)
97 <223> OTHER INFORMATION: Gly in position 30 is amidated
99 <400> SEQUENCE: 4
100 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
101 1          5          10          15
103 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
104          20          25          30
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 30
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
113     Construct
115 <220> FEATURE:
116 <221> NAME/KEY: MOD_RES
117 <222> LOCATION: (30)
118 <223> OTHER INFORMATION: AMIDATION, Position 30 is Gly-NH2
120 <400> SEQUENCE: 5
121 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
122 1          5          10          15
124 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
125          20          25          30
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 28

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,331

DATE: 02/14/2002

TIME: 08:55:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02142002\I889331.raw

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129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
134 Construct
136 <220> FEATURE:
137 <221> NAME/KEY: MOD_RES
138 <222> LOCATION: (28)
139 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
141 <400> SEQUENCE: 6
142 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
143 1 5 10 15
145 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
146 20 25
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 39
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
155 Construct
157 <220> FEATURE:
158 <221> NAME/KEY: MOD_RES
159 <222> LOCATION: (30)
160 <223> OTHER INFORMATION: AMIDATION, Position 30 is Gly-NH2
162 <400> SEQUENCE: 7
163 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
164 1 5 10 15
166 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
167 20 25 30
169 Ser Gly Ala Pro Pro Pro Ser
170 35
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 28
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
179 Construct
181 <220> FEATURE:
182 <221> NAME/KEY: MOD_RES
183 <222> LOCATION: (28)
184 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
186 <400> SEQUENCE: 8
187 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
188 1 5 10 15
190 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
191 20 25
193 <210> SEQ ID NO: 9

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/889,331

DATE: 02/14/2002  
 TIME: 08:55:30

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF3\02142002\I889331.raw

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194 <211> LENGTH: 28
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
200     Construct
202 <220> FEATURE:
203 <221> NAME/KEY: MOD_RES
204 <222> LOCATION: (28)
205 <223> OTHER INFORMATION: AMIDATION, Position 28 is Asn-NH2
207 <400> SEQUENCE: 9
208 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
209 1          5          10          15
211 Ala Val Arg Leu Ala Ile Glu Phe Leu Lys Asn
212          20          25
215 <210> SEQ ID NO: 10
216 <211> LENGTH: 39
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
222     Construct
224 <220> FEATURE:
225 <221> NAME/KEY: MOD_RES
226 <222> LOCATION: (39)
227 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
229 <400> SEQUENCE: 10
230 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
231 1          5          10          15
233 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
234          20          25          30
236 Ser Gly Ala Pro Pro Pro Ser
237          35
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 39
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
246     Construct
248 <220> FEATURE:
249 <221> NAME/KEY: MOD_RES
250 <222> LOCATION: (39)
251 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
253 <400> SEQUENCE: 11
254 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
255 1          5          10          15
257 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
258          20          25          30

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/889,331

DATE: 02/14/2002  
 TIME: 08:55:30

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF3\02142002\I889331.raw

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260 Ser Gly Ala Pro Pro Pro Ser
261      35
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 39
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
270      Construct
272 <220> FEATURE:
273 <221> NAME/KEY: MOD_RES
274 <222> LOCATION: (39)
275 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
277 <400> SEQUENCE: 12
278 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
279 1      5      10      15
281 Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
282      20      25      30
284 Ser Gly Ala Pro Pro Pro Ser
285      35
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 39
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
294      Construct
296 <220> FEATURE:
297 <221> NAME/KEY: MOD_RES
298 <222> LOCATION: (39)
299 <223> OTHER INFORMATION: AMIDATION, Position 39 is Ser-NH2
301 <400> SEQUENCE: 13
302 Tyr Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
303 1      5      10      15
305 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
306      20      25      30
308 Ser Gly Ala Pro Pro Pro Ser
309      35
311 <210> SEQ ID NO: 14
312 <211> LENGTH: 39
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
318      Construct
320 <220> FEATURE:
321 <221> NAME/KEY: MOD_RES
322 <222> LOCATION: (39)
323 <223> OTHER INFORMATION: AMIDATION, Position 39 is Tyr-NH2

```

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

2/14/02

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/889,331DATE: 02/14/2002  
TIME: 08:55:31Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\02142002\I889331.raw

L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:1368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:1516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:1666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:1669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:1815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:1818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:2084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91  
L:3153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91  
L:3156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92  
L:3186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93  
L:3212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94  
L:3246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94  
L:3249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:3281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:3284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,331

DATE: 02/14/2002

TIME: 08:55:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02142002\I889331.raw

L:3315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96  
L:3318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96





PCT09

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/889,331

DATE: 02/07/2002  
TIME: 10:13:59

Input Set : A:\30639.031 Sequence Listing.txt  
Output Set: N:\CRF3\02072002\I889331.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: YOUNG, ANDREW A.  
4 GEDULIN, BRONISLAVA  
6 <120> TITLE OF INVENTION: METHODS FOR GLUCAGON SUPPRESSION  
8 <130> FILE REFERENCE: 030639.0031.UTL1 (249/167)  
10 <140> CURRENT APPLICATION NUMBER: US 09/889,331  
C--> 11 <141> CURRENT FILING DATE: 2001-12-18  
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/00942  
14 <151> PRIOR FILING DATE: 2000-01-14  
16 <150> PRIOR APPLICATION NUMBER: 60/116,380  
17 <151> PRIOR FILING DATE: 1999-01-14  
19 <150> PRIOR APPLICATION NUMBER: 60/132,017  
20 <151> PRIOR FILING DATE: 1999-04-30  
22 <150> PRIOR APPLICATION NUMBER: 60/175,365  
23 <151> PRIOR FILING DATE: 2000-01-10  
25 <160> NUMBER OF SEQ ID NOS: 239  
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
W--> 28 Microsoft WORD 97 SR-2

#### ERRORED SEQUENCES

6836 <210> SEQ ID NO: 239  
6837 <211> LENGTH: 39  
6838 <212> TYPE: PRT  
6839 <213> ORGANISM: Artificial Sequence  
6841 <220> FEATURE:  
6842 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
6843 Amino Acid Sequence  
6845 <220> FEATURE:  
6846 <221> NAME/KEY: MOD\_RES  
6847 <222> LOCATION: (30)  
6848 <223> OTHER INFORMATION: Lys-PEG  
6850 <220> FEATURE:  
6851 <221> NAME/KEY: AMIDATION  
6852 <222> LOCATION: (39)  
6853 <223> OTHER INFORMATION: Ser in position 39 is amidated  
6855 <400> SEQUENCE: 239  
6856 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu  
6857 1 5 10 15  
6859 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Lys Pro Ser  
6860 20 25 30  
6862 Ser Gly Ala Pro Pro Pro Ser  
6863 35

RAW SEQUENCE LISTING

DATE: 02/07/2002

PATENT APPLICATION: US/09/889,331

TIME: 10:14:00

Input Set : A:\30639.031 Sequence Listing.txt

Output Set: N:\CRF3\02072002\I889331.raw

E--> 6866 102

E--> 6869 4

## VERIFICATION SUMMARY

PATENT APPLICATION: . US/09/889,331

DATE: 02/07/2002

TIME: 10:14:01

Input Set : A:\30639.031 Sequence Listing.txt  
Output Set: N:\CRF3\02072002\I889331.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:28 M:259 W: Allowed number of lines exceeded, <170> SOFTWARE:  
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:1028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:1217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:1670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:3154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91  
L:3157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91  
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92  
L:3213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93  
L:3247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94  
L:3250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,331

DATE: 02/07/2002

TIME: 10:14:01

Input Set : A:\30639.031 Sequence Listing.txt  
Output Set: N:\CRF3\02072002\I889331.raw

L:3282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:3285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:3316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96  
L:3319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96  
L:6866 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:239  
M:332 Repeated in SeqNo=239